



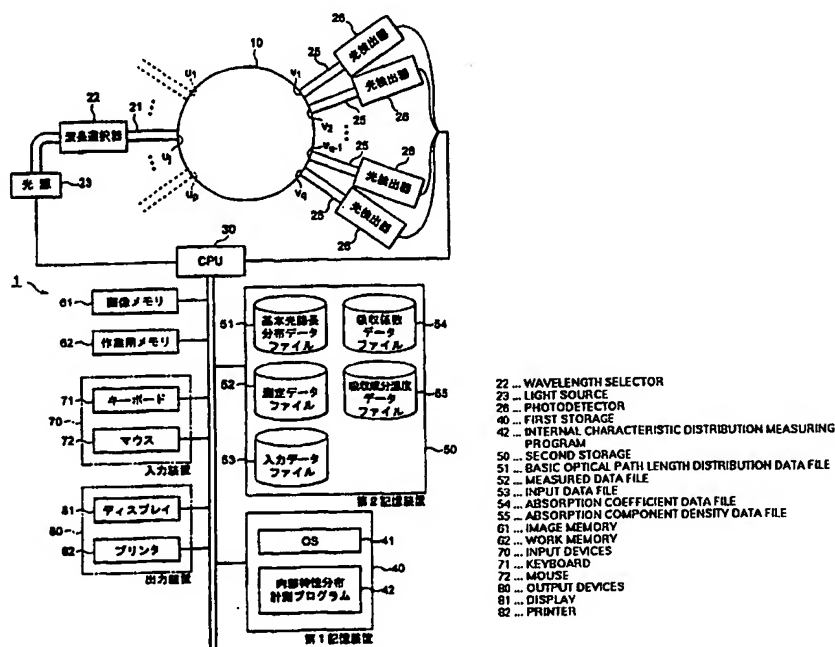
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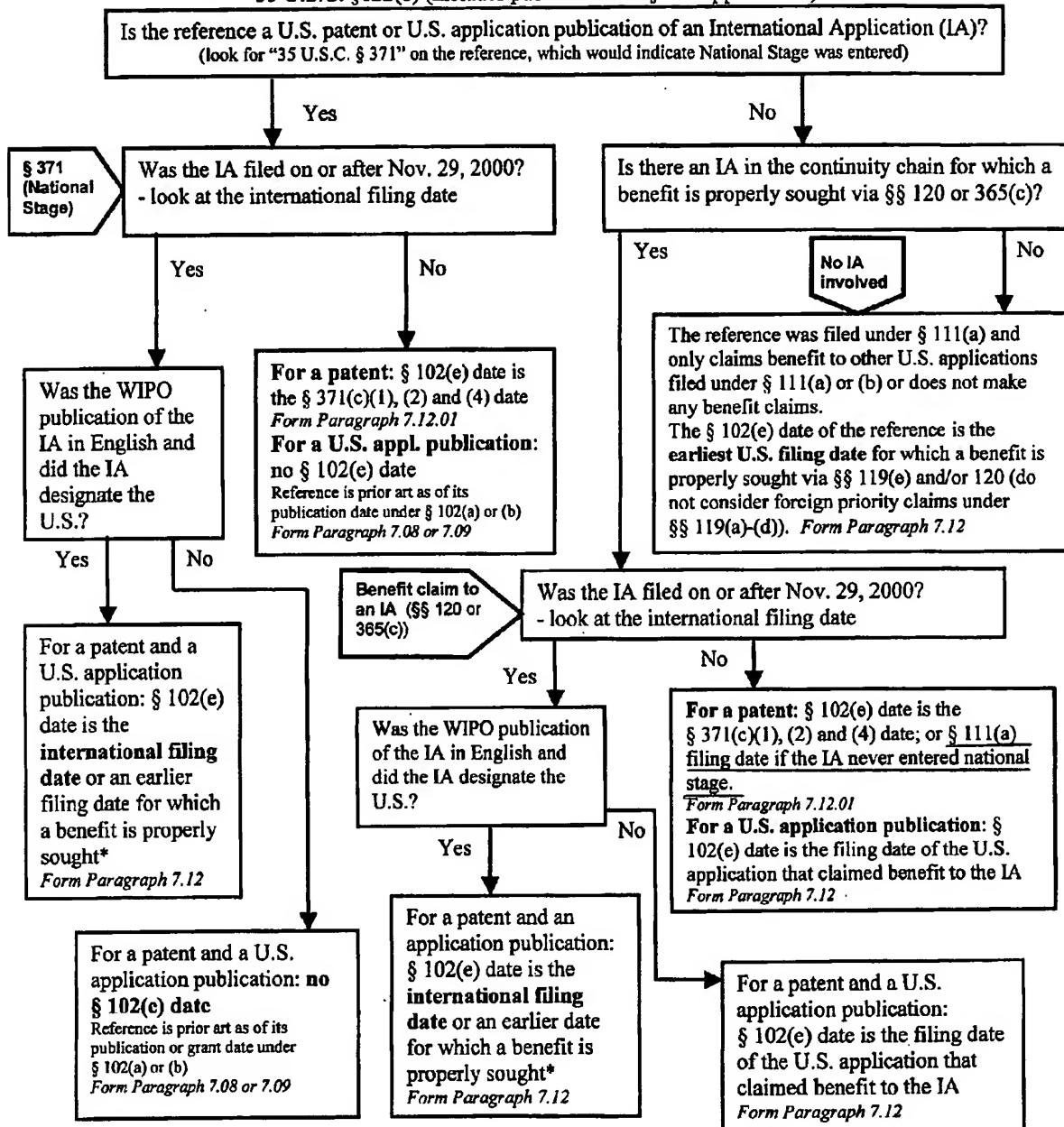
(54) Title: METHOD AND DEVICE FOR MEASURING INTERNAL CHARACTERISTIC DISTRIBUTION OF SCATTERING/ABSORBING BODY

(54) 発明の名称 散乱吸収体の内部特性分布の計測方法及び装置

(57) Abstract

A method of measuring the internal characteristic distribution of a scattering/absorbing body, comprising allowing a light beam to enter a medium to be measured, detecting the light beam transmitted through the medium, collecting measured values of a predetermined parameter for each of combinations of the position where the light beam enters and the position where the light beam is detected, setting a reference value of the absorption coefficient, finding estimated values of the parameter for each of the combinations, defining a weight function for each voxel according to the micro-Beer-Lambert's law, calculating the differences in absorption coefficient between voxels by using the measured values of the parameter, the estimated values, and the weight function, and calculating the absolute values of the absorption coefficients of the voxels.



**FLOWCHARTS FOR 35 U.S.C. § 102(e) DATES:****Apply to all applications and patents, whenever filed****Chart I: For U.S. patent or U.S. patent application publication under 35 U.S.C. §122(b) (includes publications of § 371 applications)**

\* Consider benefit claims properly made under § 119(e) to U.S. provisional applications, § 120 to U.S. nonprovisional applications, and § 365(c) involving IAs. Do NOT consider foreign priority claims.